

### **ABSTRACT**

A pump installation and method to improve delivery of the multi-phase mixture, in particular hydrocarbons from a well, and to limit the free gas volume. In the pump installation, a partial liquid flow is split off on the pressure side from the main delivery flow and guided to the high-pressure side of at least one ejector pump arranged on the suction side as an auxiliary delivery device. The pump installation provides a feed line connecting the pressure chamber of the displacement pump with the high-pressure side of at least one ejector pump, whereby the ejector pump is arranged on the suction side in the delivery direction of the displacement pump.